

OpenOffice.org

C++ Coding Standards

Find them in the OpenOffice.org Wiki

http://wiki.services.openoffice.org/wiki/Cpp_Coding_Standard

Why Coding Standards?

- Defect prevention
- Mutual learning
- Common language & vocabulary
- Bounding the problem space
- Give best practice examples
- Focus on C++, because that's ~90% of the code

Origins of Standards

- Peer-reviewed selection of prior work
- Best-of-breed from: Sutter/Alexandrescu, Lakos, Boost, Meyers, OOo & Fowler
- Topic sheets, grouped for easy checkability
- Ready for use as review items
- Mix of required rules, best practice and good advice.
 - We need commit on applying the standards
 - Use common sense when applying the rules

Code Reviews

- Having rules and not checking for them is useless
- Learn the standards by checking for them
- Find defects early in the development cycle
- Cross-breed ideas and experience from different teams

HOWTO Review Code

- Two devs partner, and review each other's code
- Choose partners also across teams and change each time
- About one hour each
- Choose one or two standards topic sheets, review against those
- See if you can spot concrete bugs
- Reviewer gives advice, reviewee is free to adapt her code (or not)
- Preferably review recent changes

- Continuously track usefulness/applicability of standards items
- Extend standards with best-practice HOWTOs for UNO and helper classes

OpenOffice.org C++ Coding Standards

- Contact:

Thorsten Behrens thb@openoffice.org

Nikolai Pretzell np@openoffice.org

Questions?

Questions?

© Copyright 2008, Nikolai Pretzell & Thorsten Behrens

Public Documentation License Notice

The contents of this Documentation are subject to the Public Documentation License Version 1.0 (the "License"); you may only use this Documentation if you comply with the terms of this License. A copy of the License can be found at <http://www.openoffice.org/licenses/PDL.html>.

The Original Documentation is "C++ Coding Standards".

The Initial Writer of the Original Documentation is Nikolai Pretzell & Thorsten Behrens Copyright © 2008.

Initial Writer contact(s): np@openoffice.org thb@openoffice.org